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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,695	12/01/2003	Jimmy Henningsen	5488-A-21	2548

7590 08/01/2005

CAHILL, von HELLENS & GLAZER P.L.C.
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Phoenix, AZ 85016

EXAMINER

DINH, PHUONG K

ART UNIT	PAPER NUMBER
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2839

DATE MAILED: 08/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/725,695

Applicant(s)

HENNINGSEN, JIMMY

Examiner

Phuong KT Dinh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 July 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 6-7, 9-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Request for Continued Examination

1. The request filed on 07/15/2005 for a Request for Continued Examination (RCE) under 37 CFR 1.53(d) based on parent Application No. 10/725,695 is acceptable and a RCE has been established. An action on the RCE follows.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3, 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harwath in view of Blanchard.

Regarding claim 1, Harwath discloses a coaxial cable to a coaxial connector, and the coaxial cable having an outer diameter, the coaxial cable including an inner conductor surrounded by an outer conductor 67 and separated therefrom by a dielectric, the inner conductor including an outer surface. The coaxial connector including an inner terminal for receiving an end portion of the inner conductor of the coaxial cable and including an outer terminal for engaging the outer conductor 67, the method comprising the steps of: inserting an end portion of said cable through a back nut 62 of said connector, flaring an end portion of said outer conductor to form a flared portion of the outer conductor, the length of said flared portion 35 being smaller than the outer diameter of said coaxial cable, said cable having been inserted through said back nut

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and securing said flared end portion of said outer conductor between abutting faces of said outer terminal and said back nut, said step of securing comprising axially displacing said back nut towards said outer terminal.

Harwarth discloses the claimed invention except for a discussion of a method of attachment of coaxial cable and the expose removing dielectric from the end portion of the inner conductor of the coaxial cable to expose the outer surface of an end portion of the inner conductor, and to allow the exposed outer surface of the end portion of the inner conductor to engage the inner terminal of the coaxial connector engaging the exposed outer surface of the end portion of the inner conductor with the inner terminal of the coaxial connector and attaching said back nut to the outer terminal of said connector, said cable having been inserted through said back nut. It would have been obvious to one of ordinary skill in the art at the time the invention was made to form the Harwarth connector could involves steps as recited as an efficient way to make the connector. These appear to be steps that would normally be used but are not explicitly disclosed by the patentee. While above is adequate, it would have been obvious to form 262, 265 as are piece to simplify the device. Blanchard discloses an exposed center conductor at 101. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Harwarth to provide the expose center conductor as taught by Blanchard so as to enable use with a cable having a solid center conductor.

Regarding claim 2, Harwarth discloses the step of cleaning said end portion of said outer conductor.

Regarding claim 3, Harwarth discloses the step of removing a portion of said insulating jacket from said end portion of said cable.

Regarding claim 6, Harwarth discloses shaping said end portion of said outer conductor to correspond with said abutting faces of either said outer terminal or said back nut, or a combination thereof.

4. Claims 7, 9-11, 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harwarth.

5. Regarding claims 7, 9-11, 16-18, Harwarth as discussed previous office action, disclosed the claimed invention except for the first angled surface contact face directly engaging the inner surface of the outer conductor of the coaxial cable and second angled contact face directly engaging for the outer surface of the outer conductor of the coaxial cable. It would have been obvious to one of ordinary skill in the art at the time the invention was made to omit beads 100 and form angled surfaces to directly engage outer conductor 131 so as to save expense of the beads.

Allowable Subject Matter

6. Claims 12-15 are allowed.

7. The following is an examiner's statement of reasons for allowance:

8. The reason allowable of claim 12 was stated in previous office action.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Response to Arguments

9. Applicant's arguments with respect to claims 1-3, 6-7, 9-11 and 16- 18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong KT Dinh whose telephone number is 571-272-2090. The examiner can normally be reached on 8 -5, 5 days a week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Phuong Dinh
July 21, 2005.

Phuong KT Dinh
Primary Examiner
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